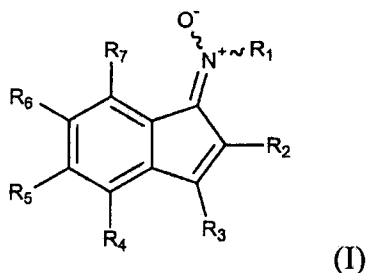


## IN THE CLAIMS

The following is an updated listing of the claims in the application with claims 1, 2, 3, 5, 10 and 12 shown as currently amended and claim 13 as cancelled:

### LISTING OF CLAIMS

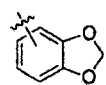

1. (Currently amended) An indene derivative of formula (I) or a pharmaceutically acceptable salt thereof:



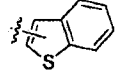




wherein,

$R_1$  is  $C_{1-6}$  alkyl,  $C_{1-6}$  alkenyl, or  $C_{3-6}$  cycloalkyl, each of which is unsubstituted or substituted with one or more phenyl groups;

$R_2$  is H, CN,  $CO_2R^a$ ,  $CH_2CO_2R^a$ ,  $CONR^bR^c$ , , or phenyl;

$R_3$  is  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, or naphthyl, phenyl, , ,

, , , or , which is phenyl and  being each unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, CN,  $NH_2$ ,  $NO_2$ ,  $OR^a$ , phenyloxy,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl; and

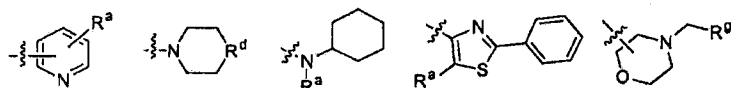
$R_4$ ,  $R_5$ ,  $R_6$ , and  $R_7$  are each independently H, OH,  $OSO_2CH_3$ ,  $O(CH_2)_mR^e$ ,  $CH_2R^f$ ,  $OCOCH_2OR^g$ ,  $OCH_2CH_2OR^g$  or  $OCH_2CH=CHR^g$ , or pyridine-2-yloxy, or  $R_5$  and  $R_6$  together form  $OCH_2O$ ;

in which  $R^a$  is H, or  $C_{1-6}$  alkyl, or  $C_{3-6}$  cycloalkyl, which is  $C_{1-6}$  alkyl and  $C_{3-6}$  cycloalkyl being each unsubstituted or substituted with one or more halogens;

$R^b$  and  $R^c$  are each independently H,  $C_{1-6}$  alkyl, or  $C_{3-6}$  cycloalkyl;

$R^d$  is O, S, or  $NR^a$ ;

$R^e$  is H, halogen,  $C_{3-6}$  cycloalkyl, naphthyl,



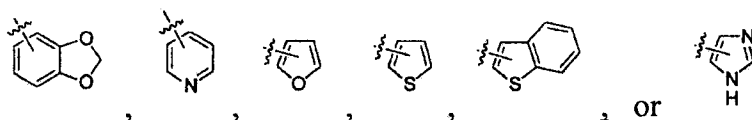
, adamantly, or phenyl, ~~which~~ is phenyl being unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, CN, NH<sub>2</sub>, NO<sub>2</sub>, OR<sup>a</sup>, CF<sub>3</sub>, and COOR<sup>a</sup>;

R<sup>f</sup> is OCH<sub>2</sub>CH<sub>2</sub>R<sup>g</sup> or ;

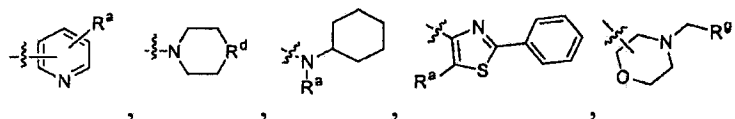
R<sup>g</sup> is phenyl, which is unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, CN, NH<sub>2</sub>, NO<sub>2</sub>, and OR<sup>a</sup>; and

m is an integer in the range of 1 to 5.

2. (Currently amended) The compound of claim 1, wherein R<sub>1</sub> is C<sub>1-6</sub> alkyl, which is unsubstituted or substituted with a phenyl group; R<sub>2</sub> is H, CN, CO<sub>2</sub>R<sup>a</sup>, CH<sub>2</sub>CO<sub>2</sub>R<sup>a</sup>, CONR<sup>b</sup>R<sup>c</sup>, or phenyl; R<sub>3</sub> is C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, or phenyl,

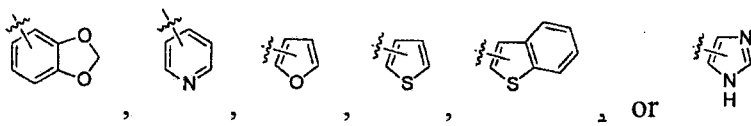


, which is phenyl being unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl; R<sub>4</sub> and R<sub>7</sub> are H; R<sub>5</sub> and R<sub>6</sub> are each independently OH, OSO<sub>2</sub>CH<sub>3</sub>, O(CH<sub>2</sub>)<sub>m</sub>R<sup>e</sup>, CH<sub>2</sub>R<sup>f</sup>, OCOCH<sub>2</sub>OR<sup>g</sup>, OCH<sub>2</sub>CH<sub>2</sub>OR<sup>g</sup>, or OCH<sub>2</sub>CH=CHR<sup>g</sup>, or together form OCH<sub>2</sub>O; R<sup>a</sup> is H, or C<sub>1-6</sub> alkyl; R<sup>d</sup> is O or NCH<sub>3</sub>; R<sup>e</sup> is H, halogen, C<sub>3-6</sub> cycloalkyl, naphthyl,



, or phenyl, ~~which is phenyl~~ being unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, OH, methoxy, CF<sub>3</sub>, and COOR<sup>a</sup>; R<sup>f</sup> is OCH<sub>2</sub>CH<sub>2</sub>R<sup>g</sup> or ; and R<sup>g</sup> is phenyl.

3. (Currently amended) The compound of claim 2, wherein R<sub>1</sub> is CH<sub>3</sub>; R<sub>2</sub> is H, CN, CO<sub>2</sub>R<sup>a</sup>, or CONR<sup>b</sup>R<sup>c</sup>; R<sub>3</sub> is C<sub>1-6</sub> alkyl, or phenyl,



, , , , , or , which is phenyl being unsubstituted or substituted with one or more halogens or C<sub>1-6</sub> alkyl groups; and R<sub>5</sub> and R<sub>6</sub> are each independently O(CH<sub>2</sub>)<sub>m</sub>R<sup>e</sup> or CH<sub>2</sub>R<sup>f</sup>, or together form OCH<sub>2</sub>O.

4. (As originally filed) The compound of claim 1, which is selected from the group consisting of:

- 1) 6-methoxy-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 2) 1-(*trans*-isopropylimino-*N*-oxy)-6-methoxy-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 3) 1-(*trans*-benzylimino-*N*-oxy)-6-methoxy-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 4) 1-(*trans*-ethylimino-*N*-oxy)-6-methoxy-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 5) 6-methoxy-1-(*trans*-phenylpropylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 6) 6-methoxy-1-(*trans*-(2-methylbutenylimino)-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 7) 1-(*trans*-isobutylimino-*N*-oxy)-6-methoxy-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 8) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 9) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 10) 1-(*trans*-methylimino-*N*-oxy)-6-phenetyloxy-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 11) 3-furan-3-yl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 12) 6-hydroxy-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 13) 1-(*cis*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 14) 3-(*trans*-methylimino-*N*-oxy)-1-phenyl-3H-indene-5-ol
- 15) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(5-phenylpentyloxy)-1H-indene-2-carboxylate ethyl ester
- 16) 1-(*cis*-methylimino-*N*-oxy)-3-phenyl-6-(5-phenylpentyloxy)-1H-indene-2-carboxylate ethyl ester
- 17) 6-[2-(4-chlorophenoxy)acetoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester

- 18) 6-[2-(4-chlorophenoxy)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 19) 1-(*trans*-methylimino-*N*-oxy)-6-(naphthalene-2-ylmethoxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 20) methyl-[3-phenyl-6-(3-phenylpropoxy)indene-1-ylidene]amine-*N*-oxide
- 21) 1-(*trans*-methylimino-*N*-oxy)-6-[2-(5-methyl-2-phenylthiazol-4-yl)ethoxy]-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 22) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 23) 6-[2-(4-hydroxyphenyl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 24) 6-(2-adaman-1-ylethoxy)-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 25) 6-(2-cyclohexylethoxy)-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 26) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 27) 6-[2-(2-fluorophenyl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 28) 6-[2-(3-fluorophenyl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 29) 6-[2-(4-fluorophenyl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 30) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-[2-(3-trifluoromethylphenyl)ethoxy]-1H-indene-2-carboxylate ethyl ester
- 31) 6-(4-methoxycarbonylbenzyloxy)-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 32) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl amide
- 33) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 34) 6-[2-(cyclohexylmethylamino)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 35) 3-(2-fluorophenyl)-6-methoxy-1-(*trans*-methylimino-*N*-oxy)-1H-indene-2-carboxylate ethyl ester
- 36) 1-(*trans*-methylimino-*N*-oxy)-6-[2-(4-methylpiperazine-1-yl)ethoxy]-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 37) (2,3-diphenyl indene-1-yl lidene)methylamine-*N*-oxide
- 38) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate isopropyl amide
- 39) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate cyclohexyl amide
- 40) [1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-

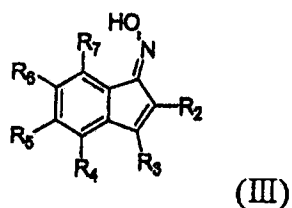
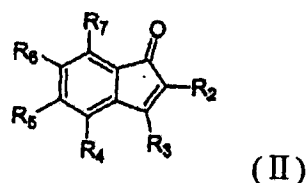
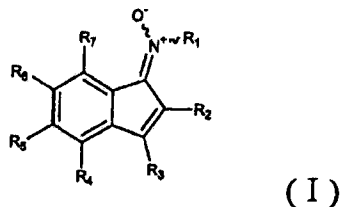
yl]morpholine-4-yl-methanone

- 41) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-yl-ethoxy)-3-phenyl-1H-indene-2-carboxylate cyclohexyl amide
- 42) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-5-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 43) 1-(*trans*-methylimino-*N*-oxy)-6-phenethyloxymethyl-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 44) (6-methoxy-3-phenylindene-1-ylidene)methylamine-*N*-oxide
- 45) 1-(*cis*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 46) 6-(2-bromoethoxy)-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 47) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate *tert*-buthyl ester
- 48) 1-(*trans*-methylimino-*N*-oxy)-5,6-methylenedioxy-1-oxo-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 49) 4-[2-isopropylcarbamoyl-3-(*trans*-methylimino-*N*-oxy)-1-phenyl-3H-indene-5-yl-oxylmethyl]benzoate methyl ester
- 50) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate isopropyl amide
- 51) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate cyclopropyl amide
- 52) 3-(3-fluorophenyl)-1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 53) (6-methoxy-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-yl)acetate ethyl ester
- 54) (6-methoxy-1-(*cis*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-yl)acetate ethyl ester
- 55) 5-[2-(5-ethylpyridine-2-yl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate isopropyl amide
- 56) 1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-3-*p*-tolyl-1H-indene-2-carboxylate ethyl ester
- 57) 1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-3-thiophene-2-yl-1H-indene-2-carboxylate ethyl ester
- 58) 3-(4-chlorophenyl)-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 59) 3-(5-chlorothiophene-2-yl)-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenyl propoxy)-1H-indene-2-carboxylate ethyl ester
- 60) 1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-3-*m*-tolyl-1H-indene-2-carboxylate ethyl ester
- 61) 1-(*trans*-methylimino-*N*-oxy)-3-(4-phenoxyphenyl)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 62) 3-benzo-[1,3]-dioxol-5-yl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenyl propoxy)-

- 1H-indene-2-carboxylate ethyl ester
- 63) methyl-[6-(3-phenylpropoxy)-3-pyridine-2-yl-indene-1-ylidene]-amine-*N*-oxide
- 64) 3-furan-2-yl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 65) 3-ethyl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 66) 3-methyl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 67) 1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-3-thiophene-3-yl-1H-indene-2-carboxylate ethyl ester
- 68) 3-cyclopropyl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 69) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-thiophene-3-yl-1H-indene-2-carboxylate ethyl ester
- 70) 3-benzo-[b]-thiophene-3-yl-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenyl propoxy)-1H-indene-2-carboxylate ethyl ester
- 71) 3-(1H-imidazole-4-yl)-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 72) 3-(1-ethyl propyl)-1-(*trans*-methylimino-*N*-oxy)-6-(3-phenylpropoxy)-1H-indene-2-carboxylate ethyl ester
- 73) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carboxylate amide
- 74) 6-(4-benzylmorpholine-2-ylmethoxy)-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate isopropyl amide
- 75) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(3-phenylpropoxy)-1H-indene-2-carbonitrile
- 76) 1-(*trans*-methylimino-*N*-oxy)-5,6-methylenedioxy-1-oxo-3-phenyl-1H-phenyl-2-carboxylate isopropyl amide
- 77) 1-(*trans*-methylimino-*N*-oxy)-6-morpholine-4-ylmethyl-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 78) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(2-pyridine-2-ylethoxy)-1H-indene-2-carboxylate ethyl ester
- 79) 6-[2-(5-ethylpyridine-2-yl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 80) 1-(*trans*-methylimino-*N*-oxy)-3-phenyl-6-(2-pyridine-2-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 81) 6-[2-(5-ethylpyridine-2-yl)ethoxy]-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate isopropyl amide
- 82) methyl-[6-(2-morpholine-4-ylethoxy)-3-phenylindene-1-ylidene]amine-*N*-oxide
- 83) 5,6-bis-methanesulfonyloxy-1-(*trans*-methylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 84) 1-(*trans*-methylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate isobutyl ester

- 85) 1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate methyl ester
- 86) 1-(*cis*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate methyl ester
- 87) 1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate propyl ester
- 88) 3-(4-fluorophenyl)-1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-1H-indene-2-carboxylate ethyl ester
- 89) 1-(*trans*-methyylimino-*N*-oxy)-3-phenyl-6-(pyridine-2-ylmethoxy)-1H-indene-2-carboxylate ethyl ester
- 90) 1-(*trans*-methyylimino-*N*-oxy)-3-phenyl-6-(pyridine-2-yloxy)-1H-indene-2-carboxylate ethyl ester
- 91) 6-(3-methoxybenzyloxy)-1-(*trans*-methyylimino-*N*-oxy)-3-phenyl-1H-indene-2-carboxylate ethyl ester
- 92) 1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-thiophene-3-yl-1H-indene-2-carboxylate isopropyl amide
- 93) 3-(1-ethylpropyl)-1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-yl ethoxy)-1H-indene-2-carboxylate ethyl ester
- 94) 3-benzo-[b]-thiophene-3-yl-1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 95) 3-(4-fluorophenyl)-1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 96) 3-(1-ethylpropyl)-1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 97) 1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-(2,4,6-trimethylphenyl)-1H-indene-2-carboxylate ethyl ester
- 98) 3-(2,6-dimethylphenyl)-1-(*trans*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-1H-indene-2-carboxylate ethyl ester
- 99) 1-(*trans*-methyylimino-*N*-oxy)-3-phenyl-5-(2-pyridine-2-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 100) 1-(*trans*-methyylimino-*N*-oxy)-5-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate isopropyl amide
- 101) 1-(*cis*-methyylimino-*N*-oxy)-6-(2-morpholine-4-ylethoxy)-3-phenyl-1H-indene-2-carboxylate isopropyl ester
- 102) 3-(3-fluorophenyl)-1-(*trans*-methyylimino-*N*-oxy)-6-(2-pyridine-2-ylethoxy)-1H-indene-2-carboxylate isopropyl amide
- 103) 6-[2-(5-ethylpyridine-2-yl)ethoxy]-3-(3-fluorophenyl)-1-(*trans*-methyylimino-*N*-oxy)-1H-indene-2-carboxylate isopropyl amide
- 104) 3-(4-cyanophenyl)-6-(2-morpholine-4-ylethoxy)-1-(*trans*-methyylimino-*N*-oxy)-1H-indene-2-carboxylate ethyl ester
- 105) 1-(*trans*-methyylimino-*N*-oxy)-3-phenyl-6-(2-pyridine-2-ylethoxy)-1H-indene-2-carboxylate isopropyl ester.

5. (Currently amended) A process for preparing the indene derivative of claim 1, which comprises the step of subjecting an indenone compound of formula (II) to a condensation reaction with  $R_1NHOH$  to obtain a compound of formula (I); or comprises the steps of subjecting an indenone compound of formula (II) to a condensation reaction with  $NH_2OH$  to obtain a compound of formula (III), and conducting a reaction of the compound of formula (III) with  $R_1X$  to obtain a compound of formula (I):

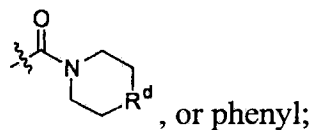


wherein,

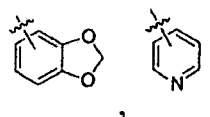
X is halogen;

$R_1$  is  $C_{1-6}$  alkyl,  $C_{1-6}$  alkenyl, or  $C_{3-6}$  cycloalkyl, each of which is unsubstituted or substituted with one or more phenyl groups;

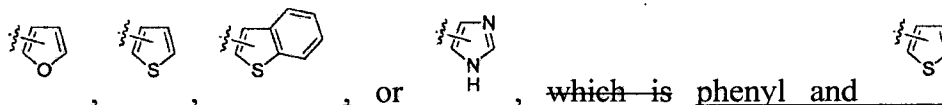
$R_2$  is H, CN,  $CO_2R^a$ ,  $CH_2CO_2R^a$ ,  $CONR^bR^c$ ,



$R_3$  is  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, or naphthyl, phenyl,







, , , or , which is phenyl and being each unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, CN, NH<sub>2</sub>, NO<sub>2</sub>, OR<sup>a</sup>, phenyloxy, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl; and

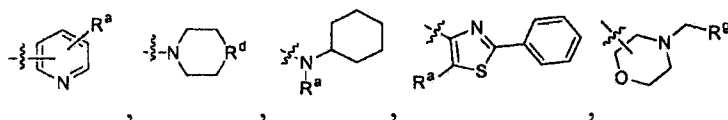
R<sub>4</sub>, R<sub>5</sub>, R<sub>6a</sub> and R<sub>7</sub> are each independently H, OH, OSO<sub>2</sub>CH<sub>3</sub>, O(CH<sub>2</sub>)<sub>m</sub>R<sup>e</sup>, CH<sub>2</sub>R<sup>f</sup>, OCOCH<sub>2</sub>OR<sup>g</sup>, OCH<sub>2</sub>CH<sub>2</sub>OR<sup>g</sup>, OCH<sub>2</sub>CH=CHR<sup>g</sup>, or pyridine-2-yloxy, or R<sub>5</sub> and R<sub>6</sub> together form OCH<sub>2</sub>O;

in which R<sup>a</sup> is H, C<sub>1-6</sub> alkyl, or C<sub>3-6</sub> cycloalkyl, which is C<sub>1-6</sub> alkyl and C<sub>3-6</sub> cycloalkyl being each unsubstituted or substituted with one or more halogens;

R<sup>b</sup> and R<sup>c</sup> are each independently H, C<sub>1-6</sub> alkyl, or C<sub>3-6</sub> cycloalkyl;

R<sup>d</sup> is O, S, or NR<sup>a</sup>;

R<sup>c</sup> is H, halogen, C<sub>3-6</sub> cycloalkyl, naphthyl,



, , , , , adamantly, or phenyl, which is phenyl being unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, CN, NH<sub>2</sub>, NO<sub>2</sub>, OR<sup>a</sup>, CF<sub>3</sub>, and COOR<sup>a</sup>;

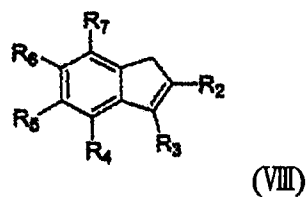
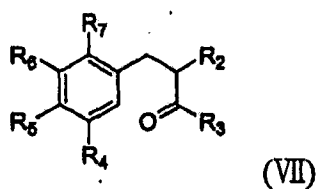
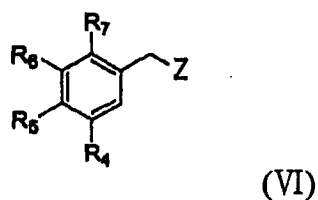
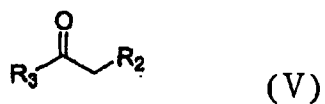
R<sup>f</sup> is OCH<sub>2</sub>CH<sub>2</sub>R<sup>g</sup> or ;

R<sup>g</sup> is phenyl, which is unsubstituted or substituted with one or more substituents selected from the group consisting of halogen, CN, NH<sub>2</sub>, NO<sub>2</sub>, and OR<sup>a</sup>; and

m is an integer in the range of 1 to 5.

6. (As originally filed) The process of claim 5, wherein the indenone compound of formula (II) is prepared by a process comprising the steps of:

- 1) reacting compounds of formula (V) and (VI) to obtain a compound of formula (VII);
- 2) subjecting the compound of formula (VII) to cyclization to obtain a compound of formula (VIII); and
- 3) subjecting the compound of formula (VIII) to oxidation.

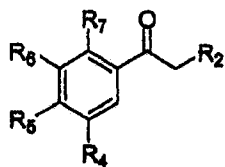


wherein,

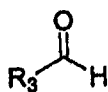
$\text{R}_2$  to  $\text{R}_7$  have the same meanings as defined in claim 5, and Z is halogen or activated leaving group.

7. (As originally filed) The process of claim 5, wherein the indenone compound of formula (II) is prepared by a process comprising the steps of:

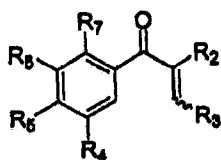
- 1) reacting compounds of formula (IX) and (X) to obtain a compound of formula (XI);
- 2) subjecting the compound of formula (XI) to cyclization to obtain a compound of formula (XII); and
- 3) subjecting the compound of formula (XII) to oxidation.



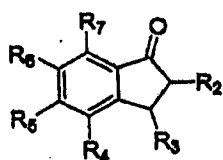
(IX)



(X)



(XI)



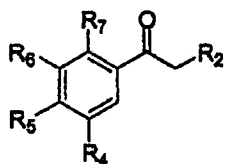
(XII)

wherein,

R<sub>2</sub> to R<sub>7</sub> have the same meanings as defined in claim 5.

8. (As originally filed) The process of claim 5, wherein the indenone compound of formula (II) is prepared by a process comprising the steps of:

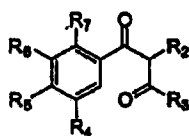
- 1) reacting compounds of formula (IX) and (XIII) to obtain a compound of formula (XIV); and
- 2) subjecting the compound of formula (XIV) to cyclization.



(IX)



(XIII)



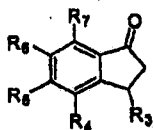
(XIV)

wherein,

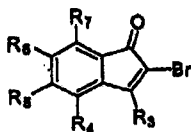
R<sub>2</sub> to R<sub>7</sub> have the same meanings as defined in claim 5.

9. (As originally filed) The process of claim 5, wherein the indenone compound of formula (II) is prepared by a process comprising the steps of:

- 1) subjecting a compound of formula (XV) to bromination obtain a compound of formula (XVI); and
- 2) subjecting the compound of formula (XVI) to a carbon-carbon coupling reaction in the presence of a metal catalyst, or to a substitution reaction using a nucleophile.



(XV)



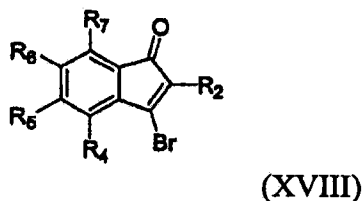
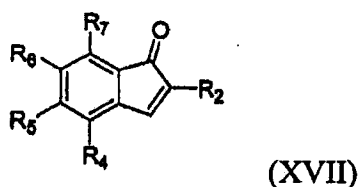
(XVI)

wherein,

R<sub>3</sub> to R<sub>7</sub> have the same meanings as defined in claim 5.

10. (Currently amended) The process of claim 5, wherein the indenone compound of formula (II) is prepared by a process comprising the steps of:

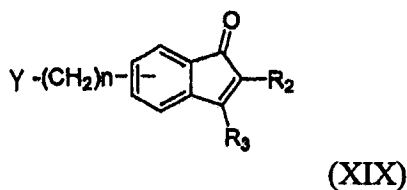
- 1) subjecting a compound of formula (XVII) to bromination to obtain a compound of formula (XVIII); and
- 2) subjecting the compound of formula (XVIII) to a carbon-carbon coupling reaction in the presence of a metal catalyst, or to a substitution reaction using a nucleophile.



wherein,

$R_2$  and  $R_4$  to  $R_7$  have the same meanings as defined in claim 5.

11. (As originally filed) The process of claim 5, wherein the indenone compound of formula (II) is prepared by subjecting a compound of formula (XIX) to an acylation reaction, a halogenation reaction followed by a substitution reaction by a nucleophile, or a carbon-carbon coupling reaction in the presence of a metal catalyst.



wherein,

$R_2$  and  $R_3$  have the same meanings as defined in claim 5, Y is hydroxy, thiol, amino  $C_{1-6}$  alkyl or halogen, and n is an integer in the range of 0 to 5.

12. (Currently amended) A pharmaceutical composition for modulating the activities of peroxisome proliferator activated receptors (PPARs) comprising a ~~therapeutically effective amount of~~ the compound or salt defined in claim 1 as an active ingredient together with a pharmaceutically acceptable carrier.

13. (Canceled)